

CLAIMS

1. A particle movement-type display apparatus,
comprising:
 - a pixel portion,
 - 5 a peripheral area around the pixel portion,
 - and
 - particles,
 - wherein at least a part of the peripheral
area around the pixel portion is provided with a
10 recess portion capable of accommodating a part of the
particles therein.
2. An apparatus according to Claim 1, wherein
the recess portion has a depth which is not less than
15 a diameter of the particles.
3. An apparatus according to Claim 1, wherein
the peripheral area comprises a periphery of a display
portion comprising a plurality of pixel portions and a
20 partition wall for partitioning the pixel portions.
4. An apparatus according to Claim 1, wherein
the peripheral area comprises a partition wall for
partitioning the plurality of pixel portions.
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5. A particle movement-type display apparatus,
comprising:
 - a first substrate and a second substrate,
 - a partition wall disposed between the first

and second substrates,

particles disposed at a pixel portion defined by the first substrate, the second substrate and the partition wall, and

5 an electrode for moving the particles,

wherein the apparatus further comprises a structure, which has a projection portion having a height substantially equal to a height of the partition wall and a recess portion in which a part of
10 the particles are capable of being accommodated, disposed at at least a part of a peripheral area around a display portion comprising the plurality of pixel portions.

15 6. An apparatus according to Claim 5, wherein the projection portion has a mesh shape, a linear or curved line shape, a dot shape, a shape closely surrounding the display portion, a double cross shape, a cross shape, a honeycomb shape, or a combination of
20 these shapes.

7. An apparatus according to Claim 5, wherein the projection portion has a line width, which is not more than ten times a diameter of the particles, at an
25 upper surface thereof.